

## Session Two: Vocabulary Plus

**Vocabulary Bank:** Use this vocabulary box to clarify any words you don't understand in the session or Internet sites.

**Amplitude:** amount of energy in a wave

**Concave lens:** a lens thicker at the edges than in the middle that causes light rays to spread apart

**Concave mirror:** a mirror that curves inward at the middle

**Convex lens:** a lens that is thicker in the middle than at the edges that causes light rays to come together

**Convex mirror:** a mirror that curves outward in the middle

**Crest:** the highest point of a wave

**Electromagnetic radiation:** wave energy given off by the sun

**Electromagnetic Spectrum:** the range of electromagnetic radiation from longer to shorter wavelengths

**Energy:** the ability to do work or cause change

**Filament:** the wire in an incandescent light bulb

**Fluorescent:** a type of light that uses less energy

**Frequency:** the number of waves produced in a wave (light or sound)

**Friction:** forces created by the rubbing of two things together

**Hertz:** unit used to measure wave frequency

**Incandescent:** a type of light that uses more energy-more costly

**Infrared rays:** invisible sunrays that warm your skin

**Lasers:** a straight form of light that does not spread out

**Opaque:** an object that light cannot travel through

**Optic fibers:** long thin strands of glass used in lasers

**Reflection:** the bouncing of light and sound off a surface

**Refraction:** the bending of light as it passes from one material to another

**Static Electricity:** electricity formed by using

**Translucent:** an object that allows light to travel and scatter through it

**Transparent:** a clear object that allows light to travel straight through it

**Trough:** the lowest point of a wave

**Ultraviolet radiation:** sometimes called UV or black lights that cause materials to glow in the dark and sunburns when sent out from the sun

**Vacuum:** a space empty of all matter

**Wavelength:** the distance between one crest of a wave and the next crest